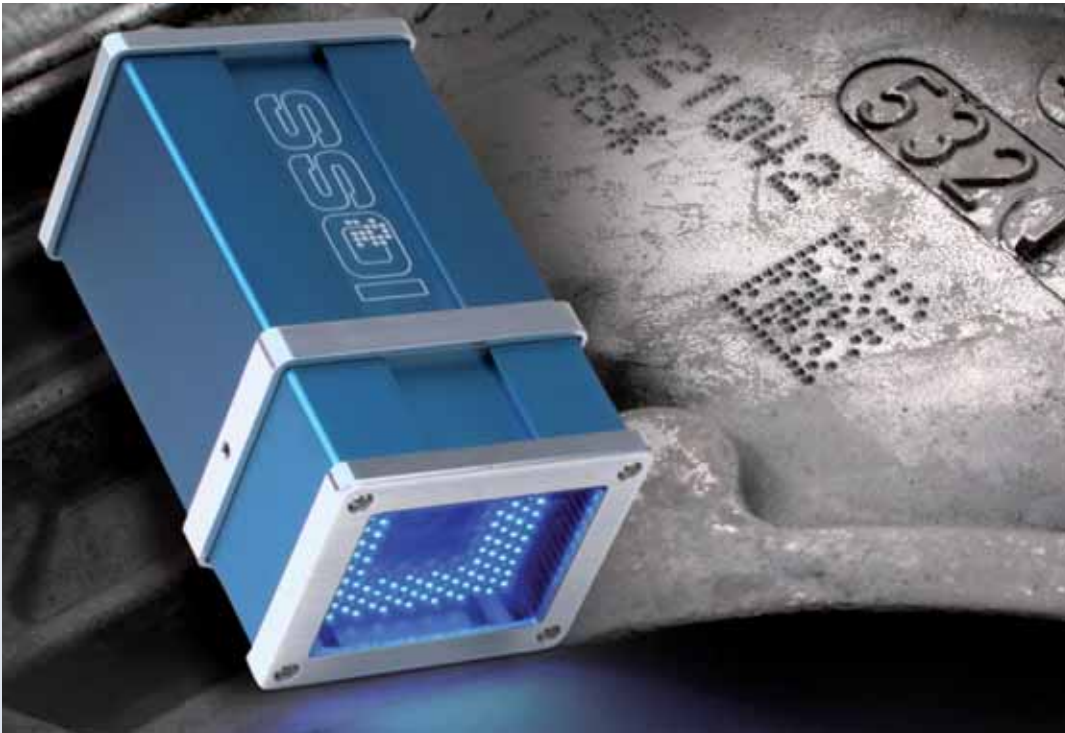


DMR210

Difficult codes read with ease

Our DMR210 marks the future trend of compact, robust Data Matrix readers for industrial applications. With its modular setting for optics and lighting, the system is capable to interact with any reading condition.



A computer based setup tool allows easy control and setting of reading parameters over an Ethernet connection to the camera. Mature and proven algorithms guarantee fast and reliable decoding. It makes no difference whether the directly marked codes are microscopically small or extra large or whether the surface is curved, reflective, or coated. The multi-channel, freely programmable LED lighting and suitable optics combined with easy teach-in produce the perfect solution for whatever difficult reading conditions you encounter.

Mature lighting concepts and extremely short flash times for capture allow a "freeze-frame" on fast-moving codes in triggered applications. That guarantees maximum suppression of interfering external light influences.

With the segmentation of the DMR210 into individual modules, we ensure customer-tailored solutions. Its optimal adaptation to process requirements leads to very high dependability and reading reliability, topped off by easy integration.

The DMR210 is the ideal system for difficult reading conditions in automotive, electronics, automation, pharmaceutical and semiconductor industries applications.

For further information on our product range, please visit us on the Internet: www.ioss.de

Datasheet DMR210

Technical Data

Application	Reading Data Matrix codes according to ECC 200; in particular directly marked codes
Sensor technology	Progressive scan CCD, 640 x 480 or 1024 x 768 pixels
Read speed	Up to 20 scans/second
Motion speed	Up to 5 m/s
Reading distance	5 - 1500 mm, depending on optics and lighting
Image size	1 - 150 mm, depending on optics and lighting
Smallest module size	Down to 20 µm, depending on optics
Code grid size	Up to 48 x 48 square or 16 x 48 rectangular grid (larger upon request)
Code type	ECC 200
Data capacity	Up to 348 numerical characters, up to 259 ASCII characters (larger capacity upon request)
Orientation of code	Any
Marking method	Any
Interfaces	Ethernet, RS232, SPS cables for trigger; Good/Bad and Busy signals
Teach-in	Very easy parameter setting via graphical user interface
Dimensions	70 x 81 x 142 mm
Weight	Approx. 860 g
Power supply	24 V DC
Temperature range	0 - 40° C
Protection rating	IP54
Housing	Aluminium

We reserve the right to make technical alterations without prior notice.
If you wish to learn more about our products, don't hesitate to contact us.